

### SCH4U - VSPER Worksheet 1

Molecule	Total # of valence electrons	Lewis Structure	# of outer atoms (X)	# of lone pairs (E)	General Formula (AX <sub>m</sub> E <sub>n</sub> )	Shape	Bond Angles
SiCl <sub>4</sub>							
CF <sub>4</sub>							
SbCl <sub>3</sub>							
OF <sub>2</sub>							
CS <sub>2</sub>							

$\text{SO}_3$							
$\text{BeCl}_2$							
$\text{AsF}_5$							
$\text{BrF}_3$							
$\text{CO}_3^{2-}$							
$\text{H}_3\text{O}^+$							